

## **Deepwater Horizon SITREP**

**05/21/2010 0600 - 05/22/2010 0600**

### **Division: Chalmette, St. Bernard Parish LA**

**Monitoring Locations:** 3 Air Monitoring/Sampling Locations, monitoring continues.

1. C02 - located at Fire Station number 8, Poydras LA - 29.86609N. -89.89108W
2. C04 – located at Fire Station on Aycock St in Chalmette, LA - 29.96082, -90.00132
3. C05 – located at Fire Station number 11, Hopedale, LA, - 29.84049, -89.68980

**Air Monitoring Equipment:** Each location has 4 pieces of air equipment (3 back up AreaRaes, and 3 DataRams).

1. AreaRae - monitoring VOCs
2. PQ200 - samples for PM2.5
3. Suma Canister per location - sample for VOCs
4. EBAM – monitoring particulate matter

### **Samples Collected:**

- 5 – Water
- 0 – Sediment
- 0 – Toxicity
- 5 – Dispersant
- 1 – Oil (mousse)
- 5 – Suma Canisters (VOCs)
- 3 – Filters (24-hour 2.5 particulate)

### **Air Sampling/Monitoring Operations Team:**

- Hourly average monitoring data through approximately 1000 05/21/2010 has been published to SCRIBE at 1220 5/21/2010.
- Sample location information for 5/20/2010 was published at approximately 1220 5/21/2010.
- 3 monitoring locations were checked at approximately 1.5-2 hour intervals beginning at 0600 this operational period.
  - AreaRAEs/MultiRae instruments reported 0 VOC exceedances.
  - Data Ram instruments reported 0 particulate exceedances
  - EBAM instruments reported 0 particulate exceedances
- Additional equipment has been implemented to conduct Benzene monitoring if the VOC levels exceed the 10 PPM action level.
- 3 Suma canisters (VOC analysis) were collected during the 05/21/2010 0600-1400 operations period. All locations are using the 24 hour Suma canister regulators.
- 3 Filters were collected from PQ200 samplers during 05/21/2010 0600-1400 operations period.
- All operations currently nominal.

### **Water Operations Team:**

- Water operations are currently underway in the Terrebonne/Timbalier/Barataria Bay area.
- The Water Operations Team will target sample collection from four points of concern (NCA10-1336, NCA10-1332, NCA10-1328, and 0009), sampling the locations once every 3-5 days. As the points of concern were sampled during the previous SitRep period, the sites were sampled.
- The team collected 5 samples from pre-determined points:
  - NCA10-2333
  - NCA10-2337
  - NCA10-2327
  - NCA10-2338
  - NCA10-1333

- The Water Operations Team encountered floating oil product in the form of mousse and sheen, near the NCA10-2337 sample location, coordinates were 29.24594/90.34566.
- A sample was collected from the mousse and will be sent to the EPA laboratory for analysis.

#### **Strike Team 006 – Special Requests**

- Strike Team 006 was tasked to mobilize to Grand Isle, Jefferson Parish, LA to investigate a complaint of VOC odors
- The Team mobilized to Grand Isle, arriving at approximately 1530. The Team conducted a visual reconnaissance of the Caminada Pass area. Visual oil was noted at both the pass and shoreline facing the Gulf of Mexico.
- The Team utilized 2 Suma Cannisters to collect grab samples from locations:
  - 29.23613/89.98510
  - 29.21037/90.04979
- No oiled or deceased wildlife was observed.
- Response workers were maintaining boom and using a vacuum truck to remove product from the water surface.
- The crew reported mild petroleum odors.
- An AreaRAE was utilized to monitor the area for VOCs. The instrument readings were 0 ppm throughout the team's time on station.

#### **Current EPA Assets**

- Deployed to Chalmette, LA
  - 4 OSCs
  - 14 START personnel
  - 1 EPA LRV
  - 1 EPA Boat

### **Division: Venice, Plaquemines Parish, LA**

#### **Air Monitoring Locations:**

1. V02 - located at USCG, Venice, LA, 29.25274, -89.35750
2. V03 - located at Welding Supply Co. in Boothville, LA, 29.31449, -89.38433
3. V05 - located at Fort Jackson, LA, 29.35699, -89.45487

#### **Air Monitoring Equipment:** Each location has 4 pieces of air equipment:

1. EBAM Particulate Monitors (PM10)
2. AreaRae/MultiRae - monitoring VOCs/H<sub>2</sub>S/CO
3. PQ200 - samples for PM 2.5
4. Suma Canister - sample for VOCs

#### **Samples collected**

- 6 – Water
- 0 – Sediment
- 3 – Summa Canister (24-hour VOCs)
- 3 – Filters (24-hour PM 2.5)

#### **Air Sampling Team:**

- Hourly average monitoring data through approximately 1900 05/21/2010 was published to SCRIBE at 2043 05/21/10.
- 24-hour air monitoring and sampling continues at the locations above.
- All 3 monitoring locations were last checked at approximately 0530 today.
- AreaRaes/MultiRaes are rotated at each location, and brought in to the MCP for data downloading, charging, and calibration at approximately 8-hour intervals. EBAM data is wirelessly transmitted to the MCP.

- Instruments are kept in operation using external rechargeable batteries. Marine batteries have been obtained to extend battery life. Station V02 and Station V03 are on AC power.
- The stations are visited every hour to two hours and the AreaRaes/MultiRaes are read to determine the maximum reading from the last equipment download and battery levels checked. This number is relayed back to the Venice MCP. No exceedances of action levels were observed.

#### **Water Sampling Team:**

- Water operations are currently underway near the Southeast and Northeast passes area of the Mississippi River.
- The Water Operations Team will target water sample collection from five points of concern (1001, 1002, 1003, SW02, and SW03), sampling each location once every 3-5 days.
- The Water Operations Team will also document and collect oil/water samples at locations TBD in the field.

#### **Current EPA Assets**

- Deployed to Venice, LA
  - 1 OSC
  - 16 START personnel
  - 1 MCP
  - One EPA Gooseneck Trailer
  - One EPA 20 KW Generator